

TSVETOV, G.M. (g., Salavat, Bashkirskaya ASSR); KOSTRIKIN, Yu.M.

Utilizing superheated circulation water to supply chemical water
purifiers in electric power stations. Energetik 5 no.4:37 Ap '57
(Electric power plants) (MLRA 10:6)

L 9898-63
ACCESSION NR: AP3000412

EWP(q)/BDS/EWT(m)--AFFTC--JD/WB

S/0076/63/037/005/1037/1042

AUTHOR: Tsvetnova, R. V.; Dyatkina, S. L.; Sheremet'yeva, S. N.; Kel'n, A. R.;
Krasil'shchikov, A. I.

58

TITLE: Corrosion and passivity of titanium¹ in sulfuric acid solution 57

SOURCE: AN SSSR! Zhurnal fizicheskoy khimii, v. 37, no. 5, 1963, 1037-1042

TOPIC TAGS: corrosion, passivity of titanium, electrochemical behavior of Ti; passivating adsorption layer

ABSTRACT: The electrochemical and corrosion behavior of Ti in 5 and 10 N sulfuric acid solutions, alone and in the presence of additions of potassium iodide, tetraethylammonium iodide, copper sulfate and nitric acid, in a nitrogen atmosphere, has been investigated by the potentiometric and discharge curve methods, as well as by gravimetric determination of the corrosion losses. Passivation is impeded by raising the temperature. The addition of I⁻, Cu²⁺ and HNO₃ retards anodic dissolution of Ti in H₂SO₄ and facilitates initial passivation of the metal. It is suggested that the

Card 1/2

L 9898-63

ACCESSION NR: AP3000412

passivity of Ti is due to the formation of a passivating adsorption layer on its surface. Orig. art. has: 3 equations, 1 table, 8 figures.

ASSOCIATION: Gosudarstvennyi nauchno-issledovatel'skiy i proektniy institut azotnoy promyshlennosti (State Scientific Research and Design Institute for Nitrogen Industry)

SUBMITTED: 22Jan62 DATE ACQ: 19Jun63 ENCL: 00

SUB CODE: 00 NR REF Sov: 011 OTHER: 006

Card 2/2

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001757310002-5

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NO DPP 100%

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001757310002-5"

TSVETOV, R.I., lektor Moskovskogo planetariya.

25th anniversary of the Moscow Planetarium. Nauka i zhizn' 21 no.11:
36 N '54.
(Moscow--Planetaria)

TSVETOV, V.

TSVETOV, V.

Third All-Japanese Congress of Michurinists ("Michurin Agriculture,"
no.113, 1956. Reviewed by V.Tsvetov). Agrobiologiya no.6:147-148
N-D '56. (MIRA 10:1)

(Japan--Agriculture)

TSVETOV, Ye.P., dots.

Result of study of urinary tract plastic surgery with ileal segments;
experimental research. Urologia 23 no.2:3-8 Mr-Ap '58. (MIRA 11:4)

1. Iz Yaroslavskogo meditsinskogo instituta (dir. - prof. N.Ye.
Tarygin) i kafedry urologii (zav. - prof. A.M.Gasparyan) I Lenin-
gradskogo meditsinskogo instituta imeni akad. I.P.Pavlova.

(URINARY TRACT, surg.

plastic, with ileal segments in dogs (Rus))

(ILEUM, transpl.

ileal segments in urinary tract plasty in dogs (Rus))

TSVETSINSKIY, S.V.

Eliminating defects in roller bearings of a rotary apparatus. Sakh.
prom. 34 no.10:28-29 O '60. (MIHA 13:10)

1. Sakharnyy zavod imeni Kuybysheva.
(Diffusers)

GABOVICH, M.O.; TSVETSINSKIY, S.V.

Operation of rotary continuous diffusers. Sakh.prom.30 no.3:24-31
Mr '56. (MIRA 9:7)

1.Kurskiy sakhsvekletrest (for Gabovich).2.Sakharomyy zaved imeni
Kuybysheva (for TSvetsinskiy).
(Sugar machinery)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001757310002-5

TSVETSKOV, K.S.

Construction and starting of an ore dressing plant. TSvet.met. 27
no.6:19-24 N-D '54. (MIRA 10:10)
(Ore dressing)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001757310002-5"

LEVI, S.S., kand. tekhn. nauk; TSVETSKOV, N.A., inzh.

Fizing reinforcements and inserts of reinforced concrete units
for large-panel apartment houses. Bet. i zhel.-bet. 9 no.10:
450-452 O '63. (MIRA 16:12)

GENKEL', P.A.; TSVETSKOVA, I.V.

Use of gravel cultures in studying soil and atmospheric aridity.
Fiziol. rast. 7 no. 5:610-615 '60. (MIRA 13:10)

I. K.A. Timiriazev Institute of Plant Physiology, U.S.S.R.,
Academy of Sciences, Moscow.
(Plants--Soilles culture)
(Plants, Effect of aridity on)

SVETISOV, V. N.

To be submitted for the International Symposium on Macromolecular Chemistry,
Montreal, Canada, 27 Aug - 1 Aug 1961.

DESR

- BUJNIAKOV, I. M.**, Institute of High Molecular Chemistry, Academy of Sciences USSR, Leningrad,
Jointly with KURMANOV, M. R., and KALINOV, M.,
Duke University, Durham, N.C. - "Elasticity
of cubic lattice chain networks" (Group 2)
- BUZUNOV, S. D.** and KONOV, A. A., Moscow
Institute of Far East Chemical Technology Israel M. V.
Institutes - "Interaction of polyethylene with
multid" (Groups 4-5)
- KALINOV, V. M.**, Moscow, Inst. of Polymers, Laboratory of Colloidal Chemistry, Scientific Research Division-Chemical
Institute, Inst. V. Ya. Karpov, Moscow - "Mechanical
properties of big crystal structures in Polymers
and their properties" (Group 2, Invited Lecture)
- KERSEV, J. A.**, All-Union Scientific Research
Institute of Petroleum Industry of Sciences
Academy, Moscow - "Polymerization of some epoxy
compounds" (Group 3-8)
- KERSEV, S. S.**, SPBRI, V. I. Vekhov, Moscow - "Synthesis of
A. A. BULAVINA, D. S. and KERSEV, A. S.,
Scientific Research Physico-Chemical Institute
Inst. V. Ya. Karpov, Moscow - "Polymerization
catalyzed by lithium and lithium alloy" (In German)
Group 3-8)
- KERSEV, A. S.**, KERSEV, A. S., and POLAK, L. S.,
Institute of Petroleum Industry of Sciences Academy of
Sciences USSR, Moscow - "On the catalytic polymerization
and radiochemistry of allylalum" (Group 3-8)
- KERSEV, J. A.**, All-Union Scientific Research
Institute of Synthetic Rubber Inst. S. V. Lebedev,
Moscow - "Temperature effect on polymer
structure in chain polymerization by alkali metals"
(Group 3-8)
- KERSEV, J. A.**, and TVERITINA, V. I., All Union
Scientific Research Institute of Synthetic Rubber,
Leningrad - "Study of branching in regular
isoprene polymers" (Group 1)
- KERSEV, I. S.**, KERSEV, M. F. RABINOVICH,
K. A. and TVERITINA, V. I., All Union Scientific
Research Institute of Synthetic Rubber Inst. S. V.
Lebedev, Moscow - "Investigation of the mechanics of
molecules of polymers containing quaternary atoms
of carbon" (Group 4-5) (Pechersk V. M.)
- KERSEV, V. I.**, Institute of High Molecular
Compounds of the Academy of Sciences USSR,
Leningrad - "Stereoregularity and optical
anisotropy of macromolecules" (Group not specified)
- KERSEV, D. S.**, and SUDAROV, A. S., Academy
of Sciences USSR, Tashkent - "Investigation of
the molecular weight of polystyrene according to
specified" (Group not specified)
- KERSEV, J. A.**, Institute of Chemical Physics
of the Academy of Sciences USSR, Moscow - "On
the kinetics of formation of polystyrene polymerization
polymerizable degradation" (Group 3-8)

FRISMAN, E.V.; TSVETTOV, V.N.

Deformation of macromolecules in a flow and its influence on the
dynamic birefringence index of polymer solutions. Dokl.AN SSSR
106 no.1:42-45 Ja '56. (MLRA 9:4)

1.Leningradskiy gosudarstvennyy universitet imeni A.A.Zhdanova.
Predstavлено академиком A.A.Lebedevym.
(Molecules)(Polymers and polymerization)(Refraction, Double)

L 27475-66 EWT(m)/T/EWP(t) IJP(c) JD/HW

ACC NR: AP6015626

(N)

SOURCE CODE: UR/0413/66/000/009/0033/0033

INVENTOR: Shchesno, L. P.; Goncharevskiy, M. S.; Tsvetun, A. S.; Shapiro, L. A.;
Brezhevich, V. V.

30
B

ORG: none

TITLE: Method of heat treatment of stainless steel tubes. Class 18, No. 181144

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 9, 1966, 33

TOPIC TAGS: steel, stainless steel, steel tube, steel corrosion, intergranular
corrosion, corrosion prevention

ABSTRACT: This Author Certificate introduces a method of heat treatment of stainless-
steel tubes. The tubes are vacuum annealed to 'decarburize' the surface layer. Prior
to vacuum annealing, an oxide film is formed on the tube surfaces by annealing in air
at approx. 800C for 10-15 min to prevent intergranular corrosion. [ND]

SUB CODE: 13/ SUBM DATE: 29Jan63/ ATD PRESS: 4260

11/

Card 1/1 BLG

UDC: 621.785.345

SOV/124-58-11-13227

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 11, p 192 (USSR)

AUTHOR: Tsvey, I. Yu.

TITLE: Some Problems of the Stability of Columns Equipped With Guys (Such as Crane Booms) [Nekotoryye voprosy ustoychivosti stoyek s ottyazhkami (tipa kranovykh strei)]

PERIODICAL: Sb. tr. Mosk. inzh.-stroit. in-t, 1957, Nr 27, pp 162-175

ABSTRACT: An investigation of the stability of a bar, one end of which is fastened with the aid of a guy line, the other end being pin-hinge supported in its plane of operation and clamped relative to any direction perpendicular thereto. It is assumed that one of the components of the compressive force on buckling of the boom is at all times directed toward a fixed point (pole), while the other component conserves its initial direction. The author has examined the work performed by the compressive force during the buckling of the boom (both in the plane of the boom operation and perpendicular thereto) and has shown that the force directed toward the pole admits a potential and the system is conservative. Utilizing the Lagrange theorem, the author determines the projections of the compressive

Card 1/2

Some Problems of the Stability of Columns Equipped With Guys (cont.) SOV/124-58-11-13227

force upon the coordinate axes as partial derivatives of the potential energy relative to the displacements and composes the differential equation of the curvilinear form of equilibrium of the boom. A detailed examination is made of the following three cases: 1. A two-stepped boom loaded by two forces applied at various points in such a manner that the components of either force on the buckling of the boom are directed toward their respective poles; this problem has reference to the investigation of the stability of a hinge-connected boom relative to directions at variance with the plane of action of the load; 2) the case when one of the said forces does not have a component directed toward a pole; 3) a single-stepped boom which has an elastically clamped support and is loaded by a force having one component directed toward a pole that lies in the footing of the boom; in this case the critical load is independent of the flexibility of the footing and equals the Euler value for a boom with pin-jointed ends.

V. M. Makushin

Card 2/2

TSVEY, I.Yu.

Spacial stability of centrally loaded girders. Izv.vys.ucheb.zav.;
stroj. i arkhit. no.5:38-56 '58. (MIR 12:1)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni inzhenerno-stroitel'-nyy institut imeni V.V. Kuybysheva.
(Girders)

TSVEY, I.Yu., inzh

Calculating details of bearing construction elements for horizontal
seismic loads. Prom.astroi. 37 no.2:44-50 F '59. (MIRA 12:3)

I. Gosudarstvennyy soyuznyy institut po proyektirovaniyu vysshikh uchebnykh
zavedeniy s nauchno-issledovatel'skimi otdeleniyma.
(Earthquakes and building)

TSVBY, I.Yu., insh.

Stability of braced crane-arm type columns. Sbor. trud. MISI no.27:
162-175 '57. (MIRA 11:3)
(Columns) (Cranes, derricks, etc.)

TSVEY, I.Yu. (Moskva)

Using an energy method to determine the frequencies and forms
of free vibrations of rod systems. Stroi.mekh.i rasch.soor. 5
no.2:35-40 '63. (MIRA 16:6)
(Elastic rods and wires) (Vibration)

AFANAS'YEV, A.M.; YEMENIENKO, V.A.; FIGNEV, V.N., zasl. nauch.-tekhn. nauch. i tekhniki RSFSR, doktor tekhn. nauk, prof.; MEDNIKOV, I.A.; OVSYANNIKOVA, M.V.; SLOBODCHIKOV, A.Ya.; TYAZHELOV, N.N.; FEDOROV, Yu.P.; TSVEY, L.Ya.; BARKOV, A.V., doktor tekhn. nauk, prof., retsenzent; FEDOROV, Yu P., kand. tekhn. nauk, nauchn. red.

[Structural mechanics in examples and problems] Stroitel'naya mehanika v primeryakh i zadachakh. Moskva, Stroizdat, 1964. 341 p. (EIRL 18:1)

TSVEY, S.M.; BOKHMAN, Ya.V.

Cancer of the vulva and pregnancy. Akush. i gin. 40 no.1:
144-145 Ja-F '64. (MIRA 17:8)

1. Bol'hitsa "V pamyat' 25 Gktiyabrya" (glavnyy vrach I.P. Yushmanov), Leningrad i ginekologicheskoye otdeleniye (zav. .. prof. V.P. Tobilevich) Instituta onkologii (dir. - deystvitel'nyy chlen AMN SSSR A.I. Serebrov) AMN SSSR.

TSVEY, S.M.

Bilateral sactosalpinx caused by Oxyuris vermicularis. Akush. i
gin. no.4:69-70 Jl-Ag '54. (MLRA 7:11)

1. Iz ginekologicheskogo otdeleniya (zav. O.P.Yelizarova)
bol'nitsy v pamyat' 25-go Oktyabrya.
(FALLOPIAN TUBES, diseases,
sactosalpinx with oxyuriasis)
(OXYURIASIS, complications,
sactosalpinx)

BOKHMAN, Ya.V.; TSVEY, S.M.

Carcinosarcoma of the corpus uteri developing six years after
radiotherapy of cancer of the cervix uteri. Akush. i gin. 40
no.5:155 S-0 '64. (MIRA 18:5)

1. Ginekologicheskoye otdeleniye (zav. - prof. V.P.Tobolevich)
Instituta onkologii (dir. - deystvitel'nyy chlen AMN prof. A.I.
Serebrov) AMN SSSR i bot'nitsa "V pamyat' 25-go ptyabrya"
(glavnnyy vrach I.P.Yushmanov), Leningrad.

TSVEY, V.Ya., inzh.

Current commutating switch for electrolytic tanks. Prom. energ. ?⁹
no. 11:17-19 N '64. (MIR 18:1)

Tsvey, V. Ya.

AID P - 3399

Subject : USSR/Electricity
Card 1/1 Pub. 29 - 14/30
Author : Tsvey, V. Ya., Eng.
Title : Automatic pumping out of condensate
Periodical : Energetik, 10, 20-22, O 1955
Abstract : The author developed and introduced a simple arrangement which permits the automatic pumping out of condensate from the collecting tank. He gives a description of the arrangement. Three drawings.
Institution : None
Submitted : No date

TSVEY, V.Ya., inzhener

Automatic pumping out of condensate. Energetik 3 no.10:20-22 0'55.
(Pumping machinery) (MIRA 8:12)

BOLOTNIKOV, S.M., dotsent; TSVEYBAKH, E.I.

In the Kharkov Scientific Pharmaceutical Society. Apt.delo 5 no.5:
52-53 S-0 '56. (MLRA 9:11)

1. Predsedatel' ob'yedinennogo sobraniya Khar'kovskogo otdeleniya
Nauchnogo farmatsevticheskogo obshchestva i farmatsevticheskoy
seksii Khimicheskogo obshchestva imeni D.I.Mendeleyeva (for Bolotnikov)
2. Sekretar' Ob'yedinennogo sobraniya Khar'kovskogo otdeleniya Nauchno-
go farmatsevticheskogo obshchestva i farmatsevticheskoy seksii Khimi-
cheskogo obshchestva imeni D.I.Mendeleyeva (for TSveybakh)
(PHARMACY)

TER-MIKAELEYAMS, G.S., inzh. (Leningrad); TSVEYER, K.D., inzh. (Leningrad).

Utilizing inspection pits of steam locomotive stations in introducing
new types of traction. Elek. i tepl. tiaga 2 no.3:30 Mr '58.
(Railroads--Buildings and structures) (MIRA 11:4)

TSVEYER, V.L.

Effect of royal jelly preparation on increasing lactation in
puerperas and on the weight recovery of newborn infants. Inform.
biul. o mat.moloch. no.3:95-108 '62. (MIRA 16:2)

1. Kafedra akusherstva i ginekologii (zav. prof. G.N. Smirnov)
Ryazanskogo meditsinskogo instituta imeni akademik I.P. Pavlova
na baze Ryazanskogo rodil'nogo doma No.2 (glavnnyy vrach M.F.
Grishutina).

(ROYAL JELLY--PHYSIOLOGICAL EFFECT)
(LACTATION) (INFANTS (NEWBORN))

TSVEYER, V.L.

Regeneration of proteins and their fractions in the blood of a puerpera by treatment with royal jelly preparation following pathological hemorrhages. Inform.biul. o mat.moloch. no.3: 75-85 '62. (MIRA 16:2)

1. Kafedra akusherstva i ginekologii (zav. prof. G.N. Smirnov) Ryazanskogo meditsinskogo instituta imeni akademika I.P. Pavlova na baze Ryazanskogo rodil'nogo doma No.2 (glavnnyy vrach M.F. Grishutina).
(ROYAL JELLY—THERAPEUTIC USE) (HEMORRHAGE, UTERINE)
(BLOOD PROTEINS)

TSVEYER, V.L.

Treatment of anemia with royal jelly preparation following
pathological hemorrhages in labor. Inform.biul.o mat.moloch,
no.3:113-119 '62. (MIRA 16:2)

1. Kafedra akusherstva i ginekologii (zav. prof. G.N. Smirnov)
Ryazanskogo meditsinskogo instituta imeni akademika I.P. Pavlova
na baze Ryazanskogo rodil'nogo doma No.2 (glavnnyy vrach M.F.
Grishutina).

(ROYAL JELLY--THERAPEUTIC USE) (HEMORRHAGE, UTERINE)
(ANEMIA)

OVECHKIS, Ye.S., kand.tekhn.nauk; TSVEYFEL', R.Sh., inzh.

Method of nondestructive testing of the stiffness of leather sole parts. Kozh.-obuv.prom. 4 no.1:25-27 Ja '62. (MIRA 15:3)
(Leather--Testing)

GVECHIS, Yo.S., kard. tekhn. ravnk; TSEVYFOL', R.S., insh.

Strength of the cement fastening of the toe part of soles.
Koch.-olur. prot. 7 no. 11,20-25 N 165 (MIRA 19:1)

Country : YUGOSLAVIA U
Category : General Problems of Pathology. Tumors. Experimental Therapy
Abs. Jour. : Ref Zhur-Biol, 1959, No 4, 18314
Author : Tsveyich, S.; Vermesh, A.
Institut. :
Title : The Treatment of Cutaneous Epitheliomas with "Dermopan"
Orig. Pub. : Med. pregled, 1957, 10, No 5, 265-276

Abstract : Results of the treatment of 136 patients with various types of cutaneous epitheliomas by means of the apparatus "Dermopan" (close-distance roentgen therapy) are reported. 33 patients had a basal cell epithelioma, 25 a squamous cell, and 5 a mixed one. The technical conditions of irradiation are given; the total dose was 600 r.-12,000 r. Good therapeutic results were obtained in 119 patients (94.4%). Control was carried out for 1 to 18 months. Deep skin tumors are not

Card: 1/2

10

Country :
Category :

, APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001757310002-5"

Abs. Jour. :

Author :
Institut. :
Title :

Orig. Pub. :

Abstract : suitable for treatment by means of "Dermopan."
-- L. N. Mashkilleyson

TSVEYMAN, GRIGORIY ABRAMOVICH

KUZYATEV, Georgiy Nikolayevich; TSVEYMAN, Grigoriy Abramovich; ACHKINADZE,
Sh.D., inzh., red.; GVIERTS, V.L., tekhn.red.

[Ultrasonic equipment for preparing hard and fragile materials]
Ul'trazvukovaia ustanovka dlia obrabotki tverdykh i khrupkikh
materialov. Leningrad, Leningr.dom nauchno-tekhn.propagandy, 1957.
27 p. (Informatsionno-tehnicheskii listok, nos.51/52. Elektricheskie
metody obrabotki metallov) (MIRA 11;1)
(Ultrasonic waves--Industrial applications)

9.6150

86748

S/120/60/000/006/023/045

E032/E314

AUTHORS: Pavlenko, V.A., Rafal'son, A.E., Slutskiy, M.Ye.,
Tsveyman, G.A. and Shutov, M.D.

TITLE: Radio-frequency Mass Spectrometer for the Analysis
of the Ionic and Molecular Composition of the Upper
Layers of the Atmosphere

PERIODICAL: Pribory i tekhnika eksperimenta, 1960, No. 6,
pp. 89 - 95

TEXT: A brief description is given of a mass spectrometer
designed for studying the ionic and molecular composition of
the atmosphere. The mass spectrometer incorporates a non-
magnetic radio-frequency analyser which separates ions according
to mass, depending on the increase in the energy in electrical
high-frequency fields. The instrument was designed to record
mass spectra in the mass ranges 1-4 and 12-56. The basic
circuit of a 5-stage analyser used in the mass spectrometer
is shown in Fig. 2. It is based on the selective properties
of three-grid assemblies in which the energy of the positive
ions having different m/e ratios is increased by different
amounts, depending on the value of this ratio. All three

Card 1/7

86748

S/120/60/000/006/023/045
E032/E314

✓
Radio-frequency Mass Spectrometer for the Analysis of the Ionic
and Molecular Composition of the Upper Layers of the Atmosphere

plane-parallel grids are kept at a negative accelerating
voltage U_p . In addition, the middle grid is given a further
high-frequency voltage. Positive ions entering the analyser
from the atmosphere are accelerated by U_p and, on entering
the high-frequency field, are given different energy increments
depending on their mass. The maximum energy increments are
received by the so-called "synchronous" ions, which pass through
the first grid when the phase of the high-frequency voltage is
 46° and the central grid when the field changes sign. The
mass of these ions M is given by:

$$M = 0.266U_p/f^2S^2$$

where U_p is the accelerating negative voltage,
 f is the frequency in Mc/s, and
 S is the distance between the grids in cm.

Card 2/7

86748

S/120/60/000/006/023/045
EO32/E314

Radio-frequency Mass Spectrometer for the Analysis of the Ionic and Molecular Composition of the Upper Layers of the Atmosphere

A positive delay voltage U_d ensures that the collector receives only the "synchronous" ions. An increased resolution of the analyser and the minimum level of "harmonic" masses are reached with a number of three-grid stages in series, with the distances between the middle grids corresponding to 5-9-4-7 periods of the high-frequency voltage. The analyser is equipped with a demountable ion source which is enclosed in an evacuated glass envelope. When a molecular analysis is required the glass envelope can be broken by remote control, using a special breaker attached to the device. The gas entering the analyser is ionised in the ion source by electrons emitted by a hot cathode and the ions are extracted by two grids kept at a small negative voltage. Single-row grids of tungsten wire, 12 μ in diameter, wound with a step of 0.4 mm, were used in the analyser. The power consumed by the cathode did not exceed 0.75 W.

Card 3/7

86748

S/120/60/000/006/023/045
E032/E314

Radio-frequency Mass Spectrometer for the Analysis of the Ionic and Molecular Composition of the Upper Layers of the Atmosphere

The instrument has the following characteristics:

1. Mass range I) 1 - 4, II) 12 - 56
2. Resolution (full width at full height) 50
3. Range of working pressures in the analyser in the 10^{-4} - 10^{-6} mm Hg case of the analysis of molecular composition
4. Partial sensitivity in the analysis of molecular composition (argon) $5 \cdot 10^{-9}$ mm Hg
5. Duration of 1 cycle of automatic sweep through the mass range 3 sec

Card 4/7

86748

S/120/60/000/006/023/045
E032/E314

Radio-frequency Mass Spectrometer for the Analysis of the Ionic and Molecular Composition of the Upper Layers of the Atmosphere

6.	Dynamic range of ion current amplifier	10^5
7.	Supply voltage	27.5 V \pm 10%
8.	Power consumed	6 W
	a) molecular analyser	5.5 W
	b) ion analyser	
9.	Working temperature range	-40 to +40 °C
10.	Dimensions:	
	measuring block of the	210 x 90 x 70 mm ³
	ion source (without ion source)	$\ell = 270$ mm, \varnothing 50 mm
	ion source	$\ell = 140$ mm, \varnothing 50 mm
11.	Weight of measuring block	1.2 kg
12.	Weight of analyser with the electrometric stage and ion source	2.1 kg
13.	Specific weight of measuring block	1.2 ,

86748

S/120/60/000/006/023/045
EO32/E314

Radio-frequency Mass Spectrometer for the Analysis of the Ionic and Molecular Composition of the Upper Layers of the Atmosphere

Basic circuits are given of the high-frequency oscillator (Fig. 5), sawtooth voltage generator (Fig. 6), switching circuit (Fig. 7) and DC converter (Fig. 8). These circuits are partly transistorised and employ miniaturised components (see above table for dimensions). All the input voltages are stabilised to within $\pm 0.2\%$, when the supply voltage changes by $\pm 10\%$. The mass spectrometer feeds into the telemetric system the following data:

- 1) voltage at the outputs of the ion current amplifier (mass spectrum);
- 2) high-frequency voltage;
- 3) emission current of the cathode in the ion source, and
- 4) supply voltage (27.5 V).

Card 6/7

86748

S/120/60/000/006/023/045
E032/E314

Radio-frequency Mass Spectrometer for the Analysis of the Ionic and Molecular Composition of the Upper Layers of the Atmosphere

Instruments of this type were used on rockets to study the ionic and molecular composition of the atmosphere. There are 8 figures and 5 references: 2 Soviet and 3 English.

ASSOCIATION: Spetsial'noye konstruktorskoye byuro analiticheskogo priborostroyeniya
(Special Design Bureau for Analytical Instrument Construction)

SUBMITTED: October 15, 1959

✓

Card 7/7

TSVEYTOV, D.

Tsveytov, D.: "Should feed be withheld from chickens prior to slaughter", Myas. industriya, 1949, No. 1, p. 46.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 10, 1949).

TSVETYTOV, D.

Treating the craw of poultry for machine fattening. Mias. ind.
SSSR 26 no.3:58 '55. (MIRA 8:9)

1. Moskovskiy ptitseskombinat
(Poultry--Feeding and feeding stuffs)

TSVEYTOVA, N.N. (Kirov)

Studying the conditions for the work of heat engines. Fiz.v
shkole 22 no.1:37-40 Ja-F '62. (MIRA 15:3)
(Thermodynamics—Study and teaching)

TSVIATKOV, Khr., inzh.

Determining relative resistance of rocks during extraction work. Min delo 18 no.9:10-13 S '63.

1. Minno-geologhki institut.

TSVIATKOV, Khr., inzh.

Capacity of a rotor excavator during excavation. Min delo 17 no.8:
7-11 Ag '62.

1. Minno-geologhki institut.

TSVIATKOV, Khr. K., st. as. k.t.n. inzh.

Necessary power of a rotor excavator at the lifting of shoveled rocks.
Godishnik Min geol inst 9:25-36 '62-'63[publ. '64].

TSVIATKOV, Khr. K., st. as. k.t.n. inzh.

Necessary power of a rotor excavator at the lifting of shovaled rocks. Godishnik Min geol inst 9:25-36 '62-'63[publ. '64].

TSVIATKOV, Tsvetan Stanoev, inzh.

Indirect radiators. Nauka i tekhn mladezh 16 no.9;10-11 S
'64.

TSVIBAK, SEMEN MOISEEVICH, ED.

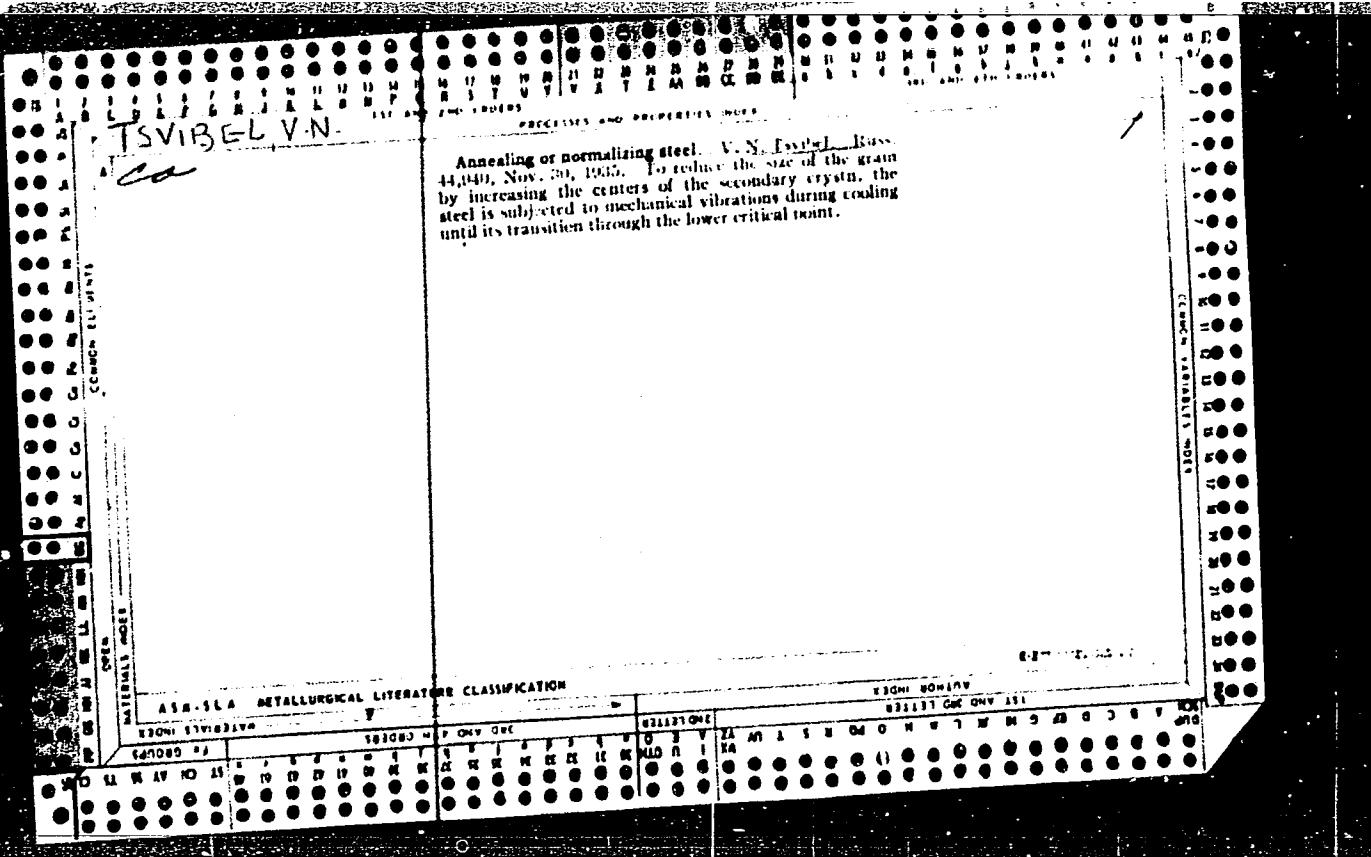
The Leningrad lumber port Leningrad, Goslestekipdat, 1935. 117 p. map. (40-17653)

HD9765.R92L48

GANELINA, I.Ye.; TSVIBEL', I.V.

Cardiovascular change in man under normal and pathologic conditions
as effected by filling of the bladder; based on electrocardiographic
data and research on arterial pressure. Biul. eksp. biol. i med.
41 no.1:14-19 Ja. '56 (MIRA 9:5)

1. Iz terapevticheskogo sektora (zav.-deystvitel'nyy chlen AMN SSSR
prof. M.V. Chernorutskiy) Instituta fiziologii imeni I.P. Pavlova
(dir.-akad. K.M. Bykov)AN SSSR i iz Urologicheskoy kliniki 1-go
Leningradskogo meditsinskogo instituta (zav.-prof. A.M. Gasparyan)
Predstavlena deystvitel'nym chlenom AMN SSSR M.V. Chernorutskim.
(BLADDER, physiol.
filling process, eff. on cardiovasc. system)
(CARDIOVASCULAR SYSTEM, physiol.
eff. of filling process of bladder)



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CIA-RDP86-00513R001757310002-5"

TSVIBEL, V. N.

Chemical Abstracts
May 25, 1954
Electrochemistry

Tempering hardness of layers produced by the electric-spark method. V. N. Tsvibel, B. A. Krupitskii, and L. N. Balakina. *Vestnik Mashinostroyeniya* 33, No. 12, 75-8 (1953).—The microhardness of layers deposited on annealed steel by discharge of 6 microfarads at 0.25 amp. and 80 microfarads at 1 amp. and employing as electrodes hard metal alloys, FeCr, Armco Fe, steel, W, Al, and Cu were but little affected by the procedure used. However, their thickness was a function of both techniques and the nature of electrodes. Hardness distribution and softening produced by heating at 200-700° were shown in charts. Softening depended on the ease with which deposited layer alloyed with the base.

J. D. Gat

Evaluation B-77554

TSVID, A., kand.tekhn.nauk; LUTSENKO, I.; PIKHAY, G.; SAKHAROV, M.;
ZLODEYEV, P.; DENISENKO, V.

We get word. Stroitel' no.7:7 Jl '61. (MIRA 14:8)
(Construction industry--Technological innovations)

TSVID, A.A.

Permafrost cycle under the bottom of a reservoir. Soob.DVFAK SSSR
no.10:181-189 '59. (MIRA 13:11)

1. Dal'nevostochnyy filial imeni V.L.Komarova Sibirskogo otdeleniya
AN SSSR. (Reservoirs) (Frozen ground)

TSVID, A.A.

Making allowance for climatic factors in construction work
in the Far East. Trudy GGO no.149:62-71 '63. (MIRA 17:1)

1. Dal'nevostochnyy nauchno-issledovatel'skiy institut po
stroitel'stvu.

TSVID, A. A.

Freezing of subfluvial talik in frozen dams. Sbor. nauch.
rab. DVNIIS no.1:87-91 '61. (MIRA 16:11)

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TSVID, A.A.

Freezing of a frost-dam from the dry slope side. Stor.
nauch. rab. DVNIIS no.1:93-104 '61. (MIRA 16:11)

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CIA-RDP86-00513R001757310002-5"

TSVID, A.A.; GUTOROVA, O.P.

Characteristics of the climate of the Maritime Territory
and accounting for them in the planning of buildings.
Sbor. nauch. rab. DVNIIS no.3:75-86 '62.

TSVID, A.A.

Measuring precipitation that wets vertical surfaces. Sbor.
nauch. rab. DVNIIS no.3:58-65 '62. (MIRA 17:5)

TSVID, A. A., UKHOV, S. B., VESELOV, V. N., BOGOSLOVSKIY, P. A., STOTSENKO, A. V.,

"Dams in areas of distribution of permanently frozen rocks"

report to be submitted for the Intl. Conference on Permafrost, Purdue, Univ.,
Lafayette Indiana, 11-15 Nov 63

TSVID, A., kand.tekhn.nauk

Give greater consideration to climatic features. Zhil. stroi.
no.1:28-29 '62. (MIRA 16:1)
(Architecture and climate)

TSVID, A.A.

Determining the permafrost limit around a pipe laid in an unlimited
body. Soob.DVFAN SSSR no.10:191-198 '59. (MIRA 13:11)

1. Dal'nevostochnyy filial imeni V.L.Komarova Sibirskogo otdeleniya
AN SSSR.
(Frozen ground)

BOOM, Ye.A., red.; BYKOV, V.T., red.; GIRNIK, D.V., red.; STOTSENKO, A.V.,
red.; ONISIMOVA, Z.G., red.; TSVID, A.A., red.; YAROSHENKO, P.D.,
red.; KALASHNIKOV, L., tekhnred.

[Science in the Far East; on the 40th anniversary of the great
October socialist revolution and the 35th anniversary of the
Soviet regime in the Far East] Nauka na Dal'nem Vostoke; k 40-
letiiu Velikoi Oktiabr'skoi sotsialisticheskoi revoliutsii i 35-
letiiu sovetskoi vlasti na Dal'nem Vostoke. Vladivostok, 1957.
(MIRA 12:2)
111 p.

1. Akademiya nauk SSSR. Dal'nevostochnyy filial, Vladivostok.
(Soviet Far East--Science)

CHEKOTILLO, A.M.; TSVID, A.A.; MAKAROV, V.N.; STOTSENKO, A.V., prof.,
doktor geograf.nauk, otv.red.; OVECHKINA, L.S., red.; FILATOVA,
G.M., tekhn.red.

[Iceings in the U.S.S.R. and their control] Naledi na territorii
SSSR i bor'ba s nimi. Blagoveshchensk, Amurskoe knizhnoe izd-vo,
1960. 204 p. (MIRA 13:12)

(Ice)

CHEKOTILLO, A.M., kand. tekhn. nauk; TSVID, A.A., kand. tekhn. nauk;
STOTSENKO, A.V., doktor geogr. nauk, prof., red.; STRASHNYKH,
V.P., red. izd-va; BOROVNEV, N.K., tekhn. red.

[Recommendations for controlling ice formation] Rekomendatsii po
bor'be s nalediami. Utv. Gos.komitetom Soveta Ministrov RSFSR po
delam stroitel'stva 23 iunia 1962.g. Moskva, Gosstroizdat,
1962. 41 p. (MIRA 16:1)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva.

(Ice on rivers, lakes, etc.)
(Civil engineering--Cold weather conditions)

TSVID, A.A.

Measuring the temperatures of white and black surfaces of various orientations. Inzh.-fiz. zhur. 5 no.10 ill8-124 O '62. (MIRA 15:12)

1. Dal'nevostochnyy nauchno-issledovatel'skiy institut po stroitel'stvu, Vladivostok.
(Surfaces (Technology)) (Temperature—Measurement)
(Building)

TSVID, A.A.

Ice formations in the Maritime Territory. Soob.DVZAN SSSR
no.9:61-72 '58. (MIRA 12:4)

1. Dal'nevostochnyy filial im. V.L.Komarova AN SSSR.
(Maritime Territory--Ice)

TSVID, A.A.

Initial climatological data for use in heat engineering.
Inzh.-fiz. zhur. no. 5:116-118 My '62. (MIRA 15:7)
(Heat engineering)

TSVID, A.A.

Computing time needed for freezing soil with natural cold.
Izv. Sib. otd. AN SSSR no.6:59-69 '59. (MIRA 12:12)

1.Dal'nevostochnyy filial Sibirskogo otdeleniya Akademii nauk SSSR.
(Soil freezing)

TSVD, A.A.

TSVD, A.A.

Construction of earthen dams with natural freezing. Izv.vost.fil.
AM SSSR no.3:83-93 '57. (MLRA 10:9)

1. Dal'nevostochnyy filial Akademii nauk SSSR.
(Dams)

TSVID, A.A.

Icing the city of Arsen'yev. Soob. DVFAN SSSR no.12:53-58 '60.
(MIRA 13:11)

1. Dal'nevostochnyy filial imeni V.L.Komarova Sibirskogo otdeleniya
AN SSSR.
(Arsen'yev (Maritime Territory)—Ice)

TSVID, F.A.

Replenishment of normed K-spaces. Uch. zap. Fd. inst. Gerts. 89:
37-144 '53. (MIR4 11:3)
(Aggregates)

Tsvid, F. A.

Tsvid, F. A.

"The Functional Dependence of Quantities in the School Mathematics Course in Connection with Problems of Polytechnic Training in the General School (Based on Material from the Advanced Algebra Classes)." Moscow Oblast Pedagogical Inst. Moscow, 1955. (Dissertation for the Degree of Candidate in Pedagogical Science)

So: Knizhnaya letopis', No. 27, 2 July 1955

TSVIGIN, M.G.

KAZNACHEY, B.Ya.; TSVIGIN, M.G.

Reducing the liberation of harmful gases from chromium plating
electrolytes. TSvet.met. 27 no.5:74 S-0 '54. (MIRA 10:10)
(Chromium plating--Safety measures)

L 06129-67 EWT(d)/EWT(m)/EWP(c)/EWP(v)/EWP(j)/EWP(k)/EWP(h)/EWP(l) LWP(s) SW/RM
ACC NR: AP6025887 SOURCE CODE: UR/0292/66/000/005/0051/0052

AUTHOR: Tsvigun, N. K. (Engineer); Rubinova, R. I. (Engineer)

23
B

ORG: none

TITLE: Using new cements in electrical machine building | u

SOURCE: Elektrotehnika, no. 5, 1966, 51-52

TOPIC TAGS: cement /BFR-2 cement, BFR-4 cement

ABSTRACT: Laminations of motor magnetic cores used to be cemented together with epoxy compounds BF-2(4) and a lacquer 7-627 which were designed for operation at 60--120C. To widen the operating temperature range and to provide better mechanical characteristics, these new cements were developed: BFR-2, a modified phenol-formaldehyde resin dissolved in alcohol, having a mechanical strength of 120 kg/cm² at 20C or 20 kg/cm² at 200C; BFR-4, a similar composition with a strength of 150 kg/cm² at 20C. Both withstand temperatures -60 +200C, moisture-resistant, and provide "monolithic" magnetic core stacks. BFR-2 withstands 200C for 600 hrs; BFR-4, for 180 hrs. Other test details reported. Orig. art. has: 1 figure and 3 tables.

SUB CODE: 11, 09 / SUBM DATE: none

Card 1/1 LC

UDC: 678.061.621.313.042.1.001.4

TSVIK, A.

Protection of children's eyesight. Nauka i zhizn' 23 no.2:64
F '56. (MLRA 9:5)
(EYE--CARE AND HYGIENE)

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TSVIK, A.V., kandidat meditsinskikh nauk

Effect of correcting refraction anomalies on the angle of deviation
in strabismic adults. Oft.zhur. 12 no.3:131-134 '57. (MIRA 10:11)

1. Iz otstreleniya okhrany zreniya Nauchno-issledovatel'skogo instituta
glaznykh bolezney im. Gel'mgol'tsa (dir. - kandidat meditsinskikh
nauk A.V.Roslavtsev)
(EYE-ACCOMMODATION AND REFRACTION) (STRABISMUS)

TSVIK, A.V.

Therapy of the strabismus in children. Sovet.med. 17 no.11:
41-42. Nov 1953. (CML 25:5)

1. Candidate Medical Sciences. 2. Of the Division for the
Care of Sight in Children (Head --- Prof. L.I. Sergiyevskiy),
State Scientific-Research Institute of Eye Diseases imeni
Gor'kogo.

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CIA-RDP86-00513R001757310002-5

TSVIK, A.V., kandidat meditsinskikh nauk

Squinting in children. Zdorov'e 2 no.4:14-15 Ap '56. (MIRA 9:7)
(STRABISMUS)

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CIA-RDP86-00513R001757310002-5"

TSVIK, G., KORNILOV, N.

Promotion of the motor-vehicle reliability is an objective
of national importance. Avt. transp. 43 no.10:18-19 O '65.
(MIRA 18:10)

1. Minskiy avtomobil'nyy zavod.

TSVIK, G.

GOL'BIN, Ya.; NEVEL'SKAYA, R.; PASHKEVICH, B.; TSVIK, G.

Factory preparation for the change-over to the shorter workday.
Sots. trud no. 7:12)-127 JI '57. (MLRA 10:8)

1. Nauchnye sotrudniki instituta ekonomiki AN BSSR (for Gol'bin,
Nevel'skaya, and Pashkevich). 2. Nachal'nik otdela organizatsii
truda i zarabotnoy platy Minskogo avtozavoda (for Tsvik).
(Minsk--Automobile industry)

TSVIK, G.

GOL'BIN, Ya., kandidat ekonomicheskikh nauk; TSVIK, G.

Efforts to avoid loss of working time at the Minsk Automobile
Plant. Sots.trud. no.1:122-125 Ja '57. (MLRA 10:4)

1. Nachal'nik otdela truda i zarplaty Minskogo avtomobil'nogo
zavoda.
(Minsk--Automobile industry)

TSVIK, M.Ye., inzh.

Checking device for hydraulic lifts. Elek.sta. 31 no.4:78
(MIRA 13:7)
Ap '60.
(Hydroelectric power stations--Equipment and supplies)

180T88

USSR/Minerals - Analysis

Nov 50

"Colorimetric Determination of Boron in Natural Potassium Salts," G. P. Aleksandrov, S. M. Tsvik, L'vov Affiliate, Acad Sci Ukrainian SSR

"Zavod Lab" No 11, pp 1396-1398

Evaluates various reagents, used in colorimetric detn of boron, and suggests carmine reaction as best method for detn of such small quantities of boron as they occur in natural potassium salts. Presence of ferric-iron ions, aluminum, magnesium, calcium, barium,

180T88

USSR/Minerals - Analysis (Contd)

Nov 50

chlorides and phosphates does not interfere with detn of boron. Therefore, used reaction for colorimetric detn of boron in borate pres. Describes procedure or method.

TSVIK, S. M.

180T88

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CIA-RDP86-00513R001757310002-5

A-2 M-2

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001757310002-5"

TSVIK, TS. Ya., inzh. (Kiyev)

Save every kopeck of state property. Put' i put. khoz. 6
no. 10:45 '62. (MIRA 15:10)

(Railroads—Maintenance and repair)

TSVIK, TS, Ya.

Assume greater responsibility for rail quality. Put' i put.khoz.
4 no.9:30 S '60. (MIRA 13:9)

1. Starshiy inzhener sluzhby puti g.Kiyev.
(Railroads--Rails)

ACC NR: AF'006799

SOURCE CODE: UR/0418/66/000/006/00'5/00'8

AUTHOR: Afanas'yev, A. S. (Doctor of technical sciences; Chankoya, Ye. N. (Candidate of chemical sciences); Burmistrova, A. N. (Candidate of chemical sciences); Tsvikovich, R. I. (Engineer)

ORG: None

TITLE: New industrial inhibitors of acid corrosion in metals

SOURCE: Tekhnologiya i organizatsiya proizvodstva, no. 6, 1966, 75-78

TOPIC TAGS: corrosion inhibitor, metal etching, sulfuric acid, low carbon steel, pickling, durability control, ACID CORROSION

ABSTRACT: The article is a report on a method for determining the effectiveness of inhibitors during cleaning of low-carbon steel covered with scale. The procedure was developed by the testing station for checking new industrial inhibitors of acid corrosion in metals associated with the Department of Physical Chemistry at the Dnepropetrovsk Metallurgical Institute. New inhibitor specimens sent to the station are pretested for protection of low-carbon steel during pickling in a 20% solution of H₂SO₄ at 80°C for 40 minutes in an open mixing tank. The inhibitors which pass this preliminary test are then checked out for protection of the same type of steel in the same tanks under conditions of industrial pickling in various sulfuric acid solutions at 50-95°C. Pickling duration at these temperatures is selected for complete removal

Card 1/2

UDC: 620.197.3

ACC NR: AP7006799

of the scale from all specimens without keeping the cleaned metal in the acid for protracted periods. To test for precipitation or coagulation of the inhibitor under the effect of metal salts which may become concentrated in the solution to the saturation point, weighed portions of pure, dry ferrous and ferric sulfate are added to a solution of the inhibitor (in the working concentration) in 20% H₂SO₄ at room temperature. The solution is continuously stirred and the salt concentration which produces turbidity is determined. The inhibitors are also tested for their effect on the rate of scale dissolution, protective effectiveness as a function of the properties of scale on the metal and the effect of aging at high temperatures in an acid solution on their protective action. The foaming properties of surface-active inhibitors are tested together with their effect on changes in the ductility of the metal after pickling. Test results are tabulated for several inhibitors and two of these, Katapin A and I-l-V, are recommended for sulfuric acid pickling of low-carbon steel. Orig. art. has: 2 tables.

SUB CODE: 11/ SUBM DATE: None

Card 2/2

TSVILENEVA, V.A.

Skin structure of Gissar sheep in relation to their wool
productivity. Izv.Otd.est.nauk AN Tadzh.SSR no.10:147-171
'55. (MLRA 9:10)

1. Institut zhivotnovodstva AN Tadzhikskoy SSR.
(Wool) (Sheep--Anatomy)

TSVILENEVA, V.A.

Structure of the cuticle in ticks. Dokl. AN Tadzh. SSR 1 no.2:27-30
'58. (MIRA 12:1)

1. Institut zoologii parazitologii AN Tadzhikskoy SSR imeni akademika Ye.N. Pavlovskego. Predstavлено членом-корреспондентом AN Tadzhikskoy SSR M.N. Narzikulovym.
(Ticks)

TSVILENEVA, V.A.

Formed elements in the hemolymph of ixodid ticks. Dokl. AM
Tadzh.SSR 2 no.1:45-51 '59. (MIRA 13:4)

1. Institut zoologii i parazitologii AN Tadzhikskoy SSR.
Predstavлено членом-корреспондентом АН Таджикской ССР М.Н.
Нарзиколовым.
(Ticks) (Hemolymph)

LOTOTSKIY, V.B. [deceased]; SOSNINA, Ye.F.; TSVILENEVA, V.A.

Cases of deep burrowing of ixodid ticks into the skin of
rodents. Zool. zhur. 38 no.3:401-417 Mr '59. (MIRA 12:4)

1. Institute of Zoology and Parasitology, Academy of Sciences
of the Tadzhik S.S.R. (Stalinabad).
(Ticks) (Parasites--Rodentia)